



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kenneth H. Abbott et al.
Application No. : 10/824,636
Filed : April 14, 2004
For : MEDIATING CONFLICTS IN COMPUTER USER'S CONTEXT
DATA

Art Unit : 2173
Docket No. : 890057.417C2
Date : October 1, 2004

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached Form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/724,932, filed November 28, 2000, now U.S. Patent 6,747,675, which is a CIP of prior Application No. 09/464,659, filed December 15, 1999, now U.S. Patent 6,513,046, and also CIP of prior Application No. 09/216,193, filed December 18, 1998, now U.S. Patent 6,466,232. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the

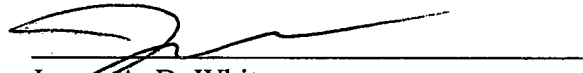
Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC


James A. D. White
Registration No. 43,985

Enclosures:

Postcard
Form PTO-1449

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507977

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

890057.417C2

APPLICATION NO.

10/824,636

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS

Kenneth H. Abbott et al.

FILING DATE

April 14, 2004

GROUP ART UNIT

2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,916,441	04/10/90	Gombrich	340	712	
	AB	5,032,083	07/16/91	Friedman	434	112	
	AC	5,201,034	04/06/93	Matsuura et al.	395	155	
	AD	5,208,449	05/04/93	Eastman et al.	235	462	
	AE	5,214,757	05/25/93	Mauney et al.	395	161	
	AF	5,227,614	07/13/93	Danielson et al.	235	380	
	AG	5,335,276	08/02/94	Thompson et al.	380	21	
	AH	5,416,730	05/16/95	Lookofsky et al.	364	708.1	
	AI	5,470,233	11/28/95	Fruchterman et al.	434	112	
	AJ	5,493,692	02/20/96	Theimer et al.	455	26.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	WO 90/08361	07/26/90	WIPO		
	AL	5-260188	10/08/93	JP		
	AM	WO 97/03434	01/30/97	WIPO		
	AN	9-091112	04/04/97	JP		
	AO	0 823 813 A2	02/11/98	EP		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	"Affective Understanding," Modeling and Responding to User Affect," http://www.media.mit.edu/affect/AC_research/understanding.html , pp. 1-3 [Accessed October 2, 1998].
	AQ	"Alps Guidepoint," http://www.alps.com/p17.html , p.1 [Accessed October 2, 1998].
	AR	"GyroPoint Technology," http://www.gyration.com/html/gyropoint.html , pp. 1-3 [Accessed October 2, 1998].

EXAMINER

DATE CONSIDERED

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Kenneth H. Abbott et al.	
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5,506,580	04/09/96	Whiting et al.	341	51	
	BB	5,544,321	08/06/96	Theimer et al.	395	200.11	
	BC	5,555,376	09/10/96	Theimer et al.	395	200.09	
	BD	5,559,520	09/24/96	Barzegar et al.	342	357	
	BE	5,568,645	10/22/96	Morris et al.	395	800	
	BF	5,601,435	02/11/97	Quy	434	307 R	
	BG	5,603,054	02/11/97	Theimer et al.	395	826	
	BH	5,611,050	03/11/97	Theimer et al.	395	200.09	
	BI	5,642,303	06/24/97	Small et al.	364	705.05	
	BJ	5,646,629	07/08/97	Loomis et al.	342	357	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BK					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BL	"Haptics," http://www.ai.mit.edu/projects/handarm-haptics/haptics.html , pp. 1-2, [Accessed October 2, 1998].
		"Research Areas in Affective Computing," http://www.media.mit.edu/affect/ , p. 1 [Accessed October 2, 1998].
	BM	"Research on Affective Pattern Recognition and Modeling," http://www.mdeia.mit.edu/affect/AC_research/recognizing.html , pp. 1-4 [Accessed October 2, 1998].
	BN	"Research on Sensing Human Affect," http://www.mdeia.mit.edu/affect/AC_research/sensing.html , pp. 1-5 [Accessed October 2, 1998].
	BO	"Smart Rooms," http://vismod.www.media.mit.edu/vismod/demos/smartroom/ , pp. 1-3 [Accessed October 2, 1998].

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	CA	5,719,744	02/17/98	Jenkins et al.	361	683	
	CB	5,726,660	03/10/98	Purdy et al.	342	357	
	CC	5,751,260	05/12/98	Nappi et al.	345	8	
	CD	5,781,913	07/14/98	Felsenstein et al.	707	501	
	CE	5,790,974	08/04/98	Tognazzini	701	204	
	CF	5,798,733	08/25/98	Ethridge	342	357	
	CG	5,812,865	09/22/98	Theimer et al.	395	800	
	CH	5,873,070	02/16/99	Bunte et al.	705	28	
	CI	5,878,274	03/02/99	Kono et al.	395	828	
	CJ	5,902,347	05/11/99	Backman et al.	701	200	

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					YES	NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CL	"SmartDesk Homepage," http://vismod.www.media.mit.edu/vismod/demos/smartdesk/ , pp. 1-4 [Accessed October 2, 1998].
	CM	"The MIT Wearable Computing Web Page," http://wearables.www.mdeia.mit.edu/projects/wearables/ , pp. 1-3 [Accessed October 2, 1998].
	CN	"Wearable Computing Systems for Affective Computing," http://www.media.mit.edu/affect/AC_research/wearables.html , pp. 1-5 ; [Accessed October 2, 1998].
	CO	Aoki, H., et al., "Realtime Personal Positioning System for a Wearable Computer," <i>3rd Int'l. Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.
	CP	Bauer et al., "A Collaborative Wearable System with Remote Sensing," University of Oregon, February 1996.

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	DA	5,910,799	06/08/99	Carpenter et al.	345	333	
	DB	5,938,721	08/17/99	Dussell et al.	701	211	
	DC	5,948,041	09/07/99	Abo et al.	701	207	
	DD	5,959,611	09/28/99	Smailagic et al.	345	156	
	DE	5,983,335	11/09/99	Dwyer, II	712	23	
	DF	5,991,687	11/23/99	Hale et al.	701	207	
	DG	6,014,638	01/11/00	Burge et al.	705	27	
	DH	6,047,301	04/04/00	Bjorklund et al.	708	139	
	DI	6,064,943	05/16/00	Clark, Jr. et al.	702	2	
	DJ	6,108,197	08/22/00	Janik	361	683	

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					YES	NO
	DK					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	DL	Billingham, M., et al., "New Ways to Manage Information," <i>IEEE</i> , pp. 57-64, January 1999.
	DM	Bowskill, J., et al., "Wearable Location Mediated Telecommunications; A First Step Towards Contextual Communication," <i>3rd International Symposium on Wearable Computer</i> , San Francisco, CA, October 18-19, 1999.
	DN	Dey, A., et al., "The Conference Assistant: Combining Context-Awareness with Wearable Computing," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.
	DO	Finger et al., "Rapid Design and Manufacture of Wearable Computer," <i>Communications of the ACM</i> 39(2):63-68, February 1996.
	DP	Golding, A., et al., "Indoor Navigation Using a Diverse Set of Cheap, Wearable Sensors," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.

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	EA	6,127,990	10/03/00	Zwern	345	8	
	EB	6,294,953	09/25/01	Steeves	329	341	
	EC	6,405,159	06/11/02	Bushey et al.	703	13	
	ED	09/724,777		Abbott et al.			11/28/00
	EE	09/724,799		Abbott et al.			11/28/00
	EF	09/724,892		Abbott et al.			11/28/00
	EG	09/724,893		Abbott et al.			11/28/00
	EH	09/724,894		Abbott et al.			11/28/00
	EI	09/724,902		Abbott et al.			11/28/00
	EJ	09/724,949		Abbott et al.			11/28/00

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					YES	NO
	EK					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	EL	Goh et al., "Context Interchange: New Features and Formalisms for the Intelligent Integration of Formation," ACM Transactions on Information Systems, 1997.
	EM	Hull et al., "Towards Situated Computing," Hewlett-Packard Laboratories, HPL-97-66 (1997).
	EN	Jakobovits, R., "Integrating Autonomous Heterogenous Information Sources," July 15, 1997.
	EO	Kirsch, D., "The Sentic Mouse: A Tool for Measuring Emotional Valence," http://www.media.mit.edu/affect/AC_research/projects/sentic_mouse.html , pp. 1-2 [Accessed October 2, 1998].
	EP	Kortuen et al., "Context -Aware, Adaptive Wearable Computers as Remote Interfaces to 'Intelligent' Environments," University of Oregon, October 1998.

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FA						

FOREIGN PATENT DOCUMENTS

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				YES	NO
FB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

FC	Kortuen, G., "When Cyborgs Meet: Building Communities of Cooperating Wearable Agents," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.
FD	Lashkari, Y., et al., "Collaborative Interface Agents," <i>Proceedings of AAAI '94 Conference</i> , Seattle, WA, August 1994.
FE	Lehikoinen, J., et al., "MEX: A Distributed Software Architecture for Wearable Computers," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.
FF	Leonhardi, A., et al., "Virtual Information Towers - A Metaphor for Intuitive, Location-Aware Information Access in a Mobile Environment," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.
FG	Lunt, T., et al., "Knowledge-Based Intrusion Detection," <i>Proceedings of the Annual Artificial Intelligence Systems in Government Conference, IEEE Comp. Soc. Press</i> , vol. Conf. 4, 1989, pp. 102-107.
FH	Maes, P., "Agents that Reduce Work and Information Overload," <i>Communications of the ACM</i> 37(7), July 1994.
FI	Mann, S., "Smart Clothing: Wearable Multimedia Computing and Personal Imaging to Restore the Technological Balance Between People and Their Environments," <i>ACM Multimedia</i> , pp. 163-174, November 1996.
FJ	Metz, C., "MIT: Wearable PC's, Electronic Ink, and Smart Rooms," <i>PC Magazine</i> , pp. 192-193, June 1998.
FK	Oakes, C., "The Truman Show Realized?," http://www.wired.com/news/news/technology/story/15745.html , pp. 1-4 [Accessed October 21, 1998].

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	GA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES NO		
	GB						
OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
	GC	Pilard, R., et al., "Affective Wearables," <i>Personal Technologies</i> 1:231-240, MIT Media Laboratory, 1997.					
	GD	Rekimoto et al., "The World Through the Computer: Computer Augmented Interaction with Real World Environments," <i>ACM</i> , pp. 29-36, November 1995.					
	GE	Rhodes, B., "The Wearable Remembrance Agent: A System for Augmented Memory," <i>Proceedings of the First International Symposium on Wearable Computers (ISW '97)</i> , Cambridge, MA, October 13-14, 1997.					
	GF	Rhodes, B., "WIMP Interface Consideres Fatal," http://rhodes.www.media.mit.edu/people/rhodes/Papers/no-wimp.html , pp. 1-3 [Accessed October 2, 1998].					
	GG	Sato, J., et al., "Autonomous Behavior Control of Virtual Actors Based on the AIR Model," <i>Proceedings Computer Animation</i> , June 5, 1997.					
	GH	Schmidt et al., "There is more to Context than Location: Environment Sensing Technologies for Adaptive Mobile User Interfaces," November 1998.					
	GI	Schneider, J., et al., "Modeling Wearable Negotiation in an Opportunistic Task Oriented Domain," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.					
	GJ	Smailagic et al., "Matching Interface Design with User Task: Modalities of Interaction with CMU Wearable Computers," <i>IEEE Personal Communications</i> , pp. 14-25, February 1996.					
	GK	Smailagic, A., et al., "MoCCA: A Mobile Communications and Computing Architecture," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.					
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	HA						
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	HF				
	HG				
	HH				
	HI				

OTHER PRIOR ART <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>		
	HJ	Starner et al., "Visual Contextual Awareness in Wearable Computing," Media Lab, MIT, October 1998.
	HK	Tan, H., et al., "Tactual Displays for Wearable Computing," <i>IEEE</i> , Massachusetts Institute of Technology Media Laboratory, pp. 84-88, 1997.
	HL	Yang, J., et al., "Smart Sight: A Tourist Assistant System," <i>3rd International Symposium on Wearable Computers</i> , San Francisco, CA, October 18-19, 1999.
	HM	
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